

FIG. 1  
BACKGROUND ART

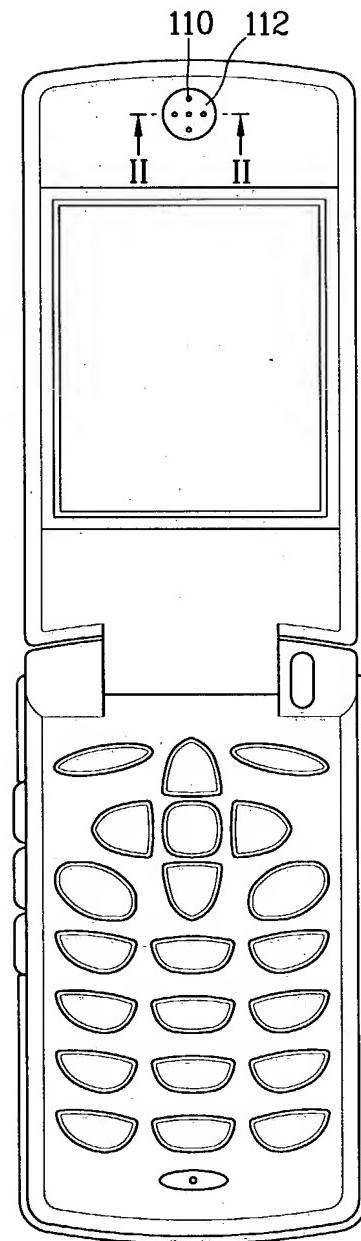


FIG. 2  
BACKGROUND ART

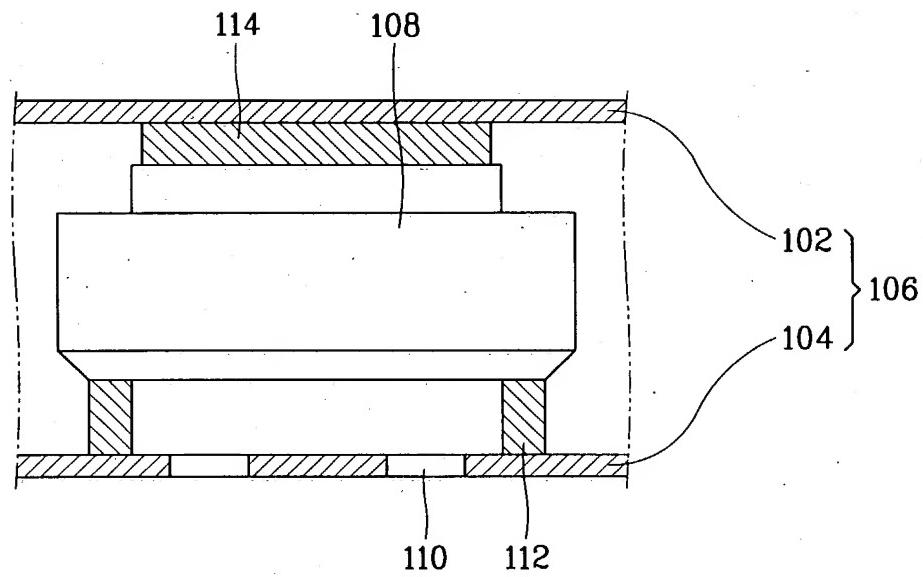


FIG. 3  
BACKGROUND ART

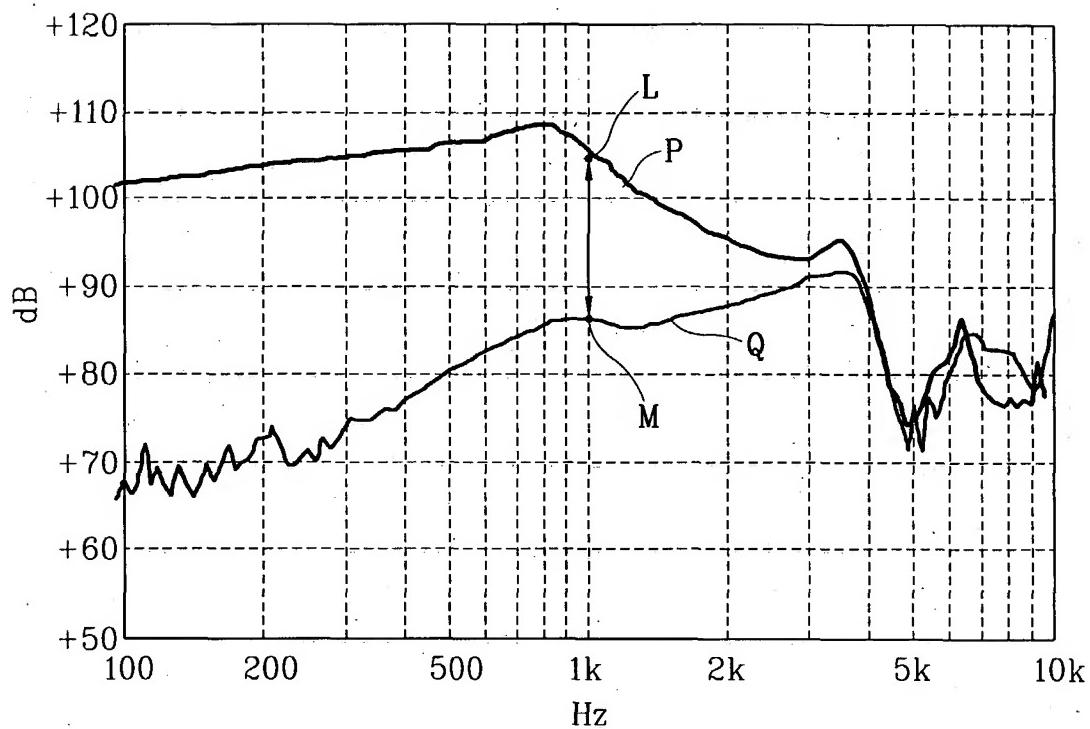


FIG. 4  
BACKGROUND ART

DISTANCE FREQUENCY	CONTACT	1mm	DIFFERENCE
300Hz	102.7dB	74.8dB	27.9dB
400Hz	103.5dB	77.3dB	26.2dB
500Hz	104.3dB	80.3dB	24.0dB
700Hz	105.9dB	84.2dB	21.7dB
1kHz	104.4dB	86.2dB	18.2dB
2kHz	93.9dB	87.9dB	6.0dB
3kHz	91.3dB	91.2dB	0.1dB
4kHz	86.6dB	89.0dB	-2.4dB
5kHz	76.5dB	72.4dB	4.1dB

FIG. 5

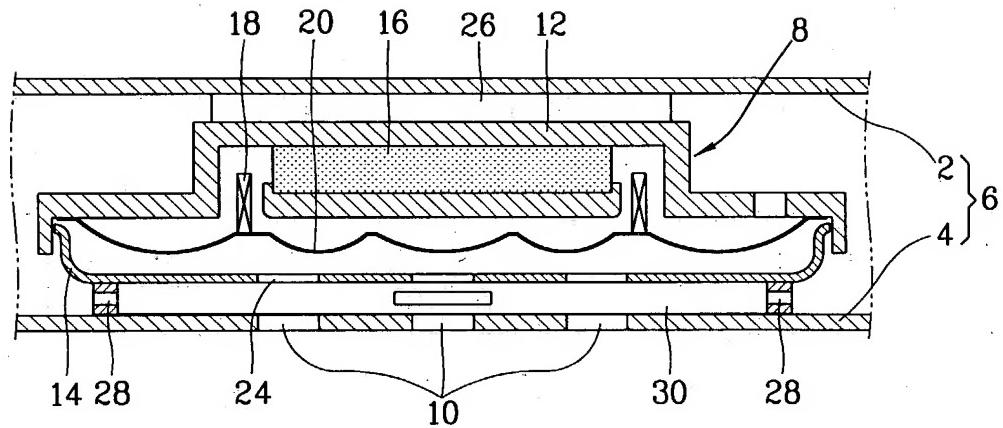


FIG. 6

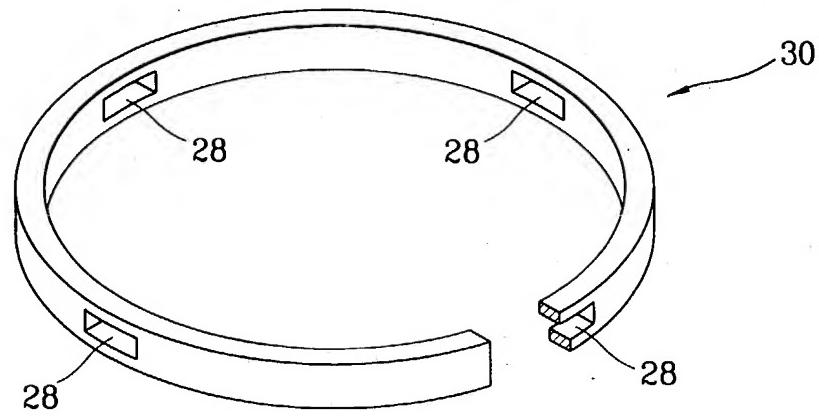


FIG. 7

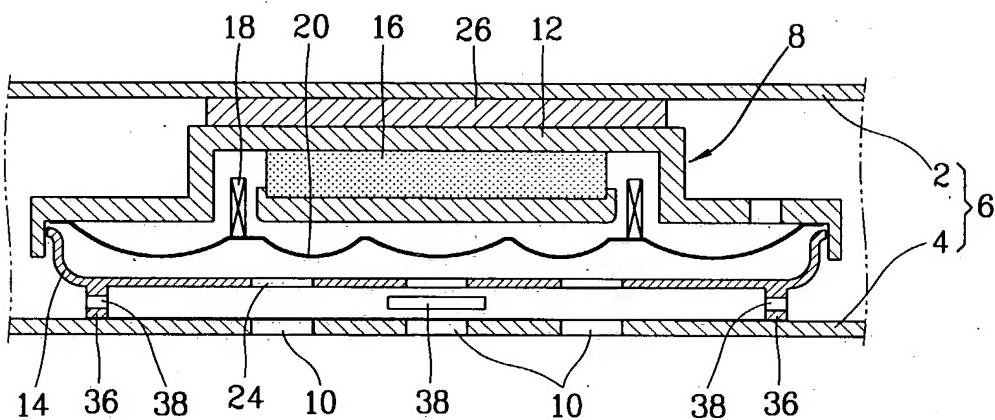


FIG. 8

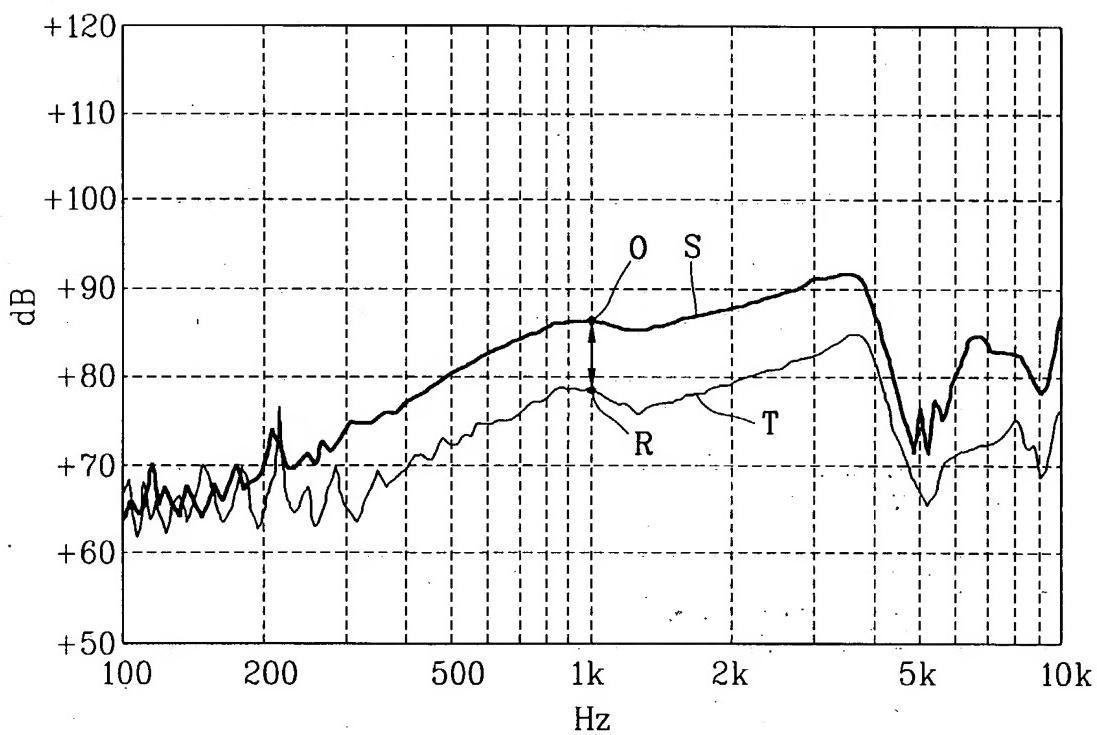


FIG. 9

DISTANCE FREQUENCY	CONTACT	1mm	DIFFERENCE
300Hz	74.8dB	66.9dB	7.9dB
400Hz	77.3dB	69.8dB	7.5dB
500Hz	80.3dB	72.0dB	8.3dB
700Hz	84.2dB	75.9dB	8.3dB
1kHz	86.2dB	78.2dB	8.0dB
2kHz	87.9dB	79.7dB	8.2dB
3kHz	91.2dB	82.8dB	8.4dB
4kHz	89.0dB	81.1dB	7.9dB
5kHz	72.4dB	67.3dB	5.1dB